



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

July 29, 2010

MEMORANDUM

SUBJECT: Contract Laboratory Program Data Review

M. Humphrey
FROM: ~~for~~ Marvely Humphrey, ESAT Regional Project Officer
Environmental Services Branch (6MD-H)

TO: Bret Kendrick, Superfund Project Manager (6SF-TR)

Site : CIRCLE COURT GROUND WATER

Case#: 40275

SDG#: MF3JJ4

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative.

If you have any questions regarding the data review report, please contact me at (281) 983-2140.


622143

ENVIRONMENTAL SERVICES ASSISTANCE TEAM

Alion Science and Technology

**ESAT Region 6
10625 Fallstone Road
Houston, TX 77099**

MEMORANDUM

DATE: July 28, 2010
TO: Marvelyn Humphrey, ESAT PO, Region 6 EPA
FROM: Sonya Meekins ^{WPA}, Data Reviewer, ESAT
THRU: Dominic G. Jarecki, ESAT Program Manager, ESAT ^{DGJ}
SUBJECT: CLP Data Review

Contract No.: EP-W-06-030
TO No.: 018
Task/Sub-Task: 2-12
ESAT Doc. No.: 9018-212-0008
TDF No.: 6-10-070A
ESAT File No.: I-0289

Attached is the data review summary for Case # 40275

SDG # MF3JJ4
Site Circle Court Ground Water

COMMENTS:

I. LEVEL OF DATA REVIEW

Standard Review was performed for this data package.

II. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

CCS did not detect any contractually noncompliant issues that resulted in data qualification. Hardcopy review found the data package contractually compliant.

III. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

The total number of sample results reviewed for this data package was 440. All results are technically acceptable.

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10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

INORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	40275	SITE	Circle Court Ground Water
LABORATORY	A4	NO. OF SAMPLES	20
CONTRACT#	EP-W-09-035	MATRIX	water
SDG#	MF3JJ4	REVIEWER (IF NOT ESB)	ESAT
SOW#	ISM01.2	REVIEWER'S NAME	Sonya Meekins
SF#	302DD2CA6V7	COMPLETION DATE	July 28, 2010

SAMPLE NO.	MF3JJ2	MF3JJ6	MF3JK0	MF3JK4	MF3JK8
	MF3JJ3	MF3JJ7	MF3JK1	MF3JK5	MF3JK9
	MF3JJ4	MF3JJ8	MF3JK2	MF3JK6	MF3JL0
	MF3JJ5	MF3JJ9	MF3JK3	MF3JK7	MF3JL1

DATA ASSESSMENT SUMMARY

	ICP	HG
1. HOLDING TIMES	O	O
2. CALIBRATIONS	O	O
3. BLANKS	O	O
4. MATRIX SPIKES	O	O
5. DUPLICATE ANALYSIS	O	O
6. ICP QC	O	
7. LCS	O	O
8. SAMPLE VERIFICATION	O	O
9. OTHER QC	N/A	N/A
10. OVERALL ASSESSMENT	O	O

O = Data had no problems.

M = Data qualified due to major or minor problems.

Z = Data unacceptable.

NA = Not applicable.

ACTION ITEMS:

AREAS OF CONCERN:

**COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW**

CASE 40275 SDG MF3JJ4 SITE Circle Court Ground Water LAB A4

COMMENTS: This SDG consisted of 20 water samples for total metals (ICP/AES) and mercury analyses following SOW ISM01.2. The sampler designated sample MF3JJ5 as the laboratory QC sample.

The target analytes of concern with the desired detection limit in parentheses were barium (2,000 µg/L), copper (1,300 µg/L), iron (100 µg/L), and lead (15 µg/L). All results met the user's desired detection limit criteria. The only target analyte of concern detected at concentrations above the user's desired detection limit was iron in samples MF3JJ2, MF2JJ4, MF3JJ5, and MF3JJ6.

A standard data review was performed on this package as requested by the TDF. Eleven percent of the results were above the CRQL's. All results were acceptable. ESAT's final data qualifiers in the DST indicate the technical usability of all reported results. An Evidence Audit was conducted for the CSF, and the audit results were reported on the Evidence Inventory Checklist.

NOTE: THE FOLLOWING REVIEW NARRATIVE ADDRESSES BOTH CONTRACTUAL ISSUES (BASED ON THE STATEMENT OF WORK) AND TECHNICAL ISSUES (BASED ON THE NATIONAL FUNCTIONAL GUIDELINES). THE ASSESSMENT MADE FOR EACH QC PARAMETER IS SOLELY BASED ON THE TECHNICAL DATA USABILITY, WHICH MAY NOT NECESSARILY BE AFFECTED BY CONTRACTUAL PROBLEMS. THE ASSESSMENTS ARE DEFINED BELOW.

Acceptable = No results were qualified for any problem associated with this QC parameter.

Provisional = Some results were qualified because of problems associated with this QC parameter.

Unusable = All results are unusable because of major problems associated with this QC parameter.

1. Holding Times: Acceptable. All samples met contractual and technical holding time criteria. Sample preservation was acceptable.

2. Calibrations: Acceptable. All calibration analyses met contractual requirements.

3. Blanks: Acceptable. Preparation and calibration blanks met contractual requirements.

4. Pre-digestion Matrix Spike Recovery: Acceptable. The laboratory reported acceptable pre-digestion matrix spike recoveries.

5. Duplicate Analysis: Acceptable. Laboratory duplicate differences met technical QC criteria.

6. ICP Quality Control:

Serial Dilution: Acceptable. The laboratory reported acceptable serial dilution differences.

**INORGANIC QA REVIEW
CONTINUATION PAGE**

CASE 40275 SDG MF3JJ4 SITE Circle Court Ground Water LAB A4

Interference Check Sample (ICS): Acceptable. ICS results were contractually acceptable and indicated satisfactory interelement and background corrections.

Coefficients of Variation: Acceptable. Replicate instrument readings were consistent.

7. Laboratory Control Sample (LCS): Acceptable. The reported LCS recoveries indicated satisfactory sample preparation and analysis.

8. Sample Verification: Acceptable. The data package was complete. The DST included in the report is the final version.

9. Other QC: Not Applicable.

10. Overall Assessment: All results were acceptable.

INORGANIC ACRONYMS

CADRE	Computer-Aided Data Review and Evaluation
CCB	Continuing Calibration Blank
CCS	Contract Compliance Screening
CCV	Continuing Calibration Verification
CN	Cyanide
CRQL	Contract Required Quantitation Limit
CSF	Complete SDG File
DST	Data Summary Table
HG	Mercury
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma
ICP-AES	Inductively Coupled Plasma-Atomic Emission Spectroscopy
ICP-MS	Inductively Coupled Plasma-Mass Spectrometry
ICS	Interference Check Sample
ICV	Initial Calibration Verification
LCS	Laboratory Control Sample
MDL	Method Detection Limit
NFG	National Functional Guidelines
PE	Performance Evaluation
%D	Percent Difference
%R	Percent Recovery
%RI	Percent Relative Intensity
%RSD	Percent Relative Standard Deviation
QA	Quality Assurance
QC	Quality Control
RPD	Relative Percent Difference
RSCC	Regional Sample Control Center
SDG	Sample Delivery Group
SMO	Sample Management Office
SOW	Statement of Work
TAL	Target Analyte List

HEADER DEFINITIONS FOR INORGANIC EXCEL DST

CASE: Case Number
SDG: SDG Number
EPASAMP: EPA Sample Number
LABID: Laboratory File/Sample ID
MATRIX: Sample Matrix
QCCOD: Sample QC Code
SMPQUAL: Sample Qualifier
ANDATE: Sample Analysis Date
ANTIME: Sample Analysis Time
CASN: Compound CAS Number
ANALYTE: Compound Name
CONC: Compound Concentration
VALDQAL: Region 6 Inorganic Data Validation Qualifier (see
Inorganic Data Qualifier Definitions on the next page)
UNITS: Concentration Units
ADJCRQL: Adjusted Contract Required Quantitation Limit Value
SMPDATE: Sampling Date
PRPDATE: Sample Preparation Date
LRDATE: Laboratory Receipt Date
LEVEL: Sample Level
PERSOLD: Sample Percent Solids
SMPWTVL: Sample Weight (Soil Samples)/Initial Sample Volume (Water
Samples)
FINLVOL: Final Sample Volume
METHOD: Method of Analysis
STATLOC: Station Location

Disclaimer: ESAT verified the accuracy of the information
reported in the Excel DST only for the following
data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE,
CONC, UNITS, ADJCRQL, VALDQAL, and PERSOLD. The
data qualifiers in the VALDQAL column indicate the
technical usability of the reported results.

INORGANIC DATA QUALIFIER DEFINITIONS

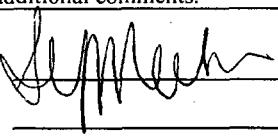
The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

- U** Not detected at reported quantitation limit.
- L** Reported concentration is between the MDL and the CRQL.
- J** Result is estimated because of outlying quality control parameters such as matrix spike, serial dilution, etc., or the result is below the CRQL.
- R** Result is unusable.
- F** A possibility of a false negative exists.
- UC** Reported concentration should be used as a raised quantitation limit because of blank effects and/or laboratory or field contamination.
- ^** High biased. Actual concentration may be lower than the concentration reported.
- v** Low biased. Actual concentration may be higher than the concentration reported.
- W** The result should be used with caution. The result was reported on a dry weight basis although the sample did not conform to the EPA Office of Water definition of a soil sample because of its high water content (>70% moisture).

CASE	SDG	EPASAMP	LABID	MATR	QCPCODE	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALD	UNITS	ADJC1	SMPDATE	PRPDATE	LRDATE	LEVEL	PERSOLD	SMPWTVL	FINVOL	METH	STATLOC
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7429905	Aluminum	200	U	ug/L	200	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7440360	Antimony	60.0	U	ug/L	60.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7440382	Arsenic	10.0	U	ug/L	10.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7440393	Barium	167	LJ	ug/L	200	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7440417	Beryllium	5.0	U	ug/L	5.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7440439	Cadmium	5.0	U	ug/L	5.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7440702	Calcium	161000		ug/L	5000	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7440743	Chromium	10.0	U	ug/L	10.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7440484	Cobalt	50.0	U	ug/L	50.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7440508	Copper	25.0	U	ug/L	25.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7439896	Iron	147		ug/L	100	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7439921	Lead	10.0	U	ug/L	10.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7439954	Magnesium	10200		ug/L	5000	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7439965	Manganese	39.8		ug/L	15.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/29/2010	15:25:23	7439976	Mercury	0.061	LJ	ug/L	0.20	06/23/2010	06/29/2010	06/24/2010	Low	0.0	50	50	CV	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7440020	Nickel	40.0	U	ug/L	40.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7440097	Potassium	5000	U	ug/L	5000	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7782492	Selenium	35.0	U	ug/L	35.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7440224	Silver	10.0	U	ug/L	10.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7440235	Sodium	16300		ug/L	5000	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7440280	Thallium	25.0	U	ug/L	25.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-01	W	Field_Sample	06/25/2010	16:38:43	7440622	Vanadium	50.0	U	ug/L	50.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-31
40275	MF3JJ4	MF3JJ2	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7440393	Barium	170	LJ	ug/L	200	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7440417	Beryllium	5.0	U	ug/L	5.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7440439	Cadmium	5.0	U	ug/L	5.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7440702	Calcium	112000		ug/L	5000	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7440473	Chromium	10.0	U	ug/L	10.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7440484	Cobalt	50.0	U	ug/L	50.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7440508	Copper	8.4	LJ	ug/L	25.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7439896	Iron	100	U	ug/L	100	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7439921	Lead	10.0	U	ug/L	10.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7439954	Magnesium	8130		ug/L	5000	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7439965	Manganese	15.9		ug/L	15.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/29/2010	15:26:47	7439976	Mercury	0.067	LJ	ug/L	0.20	06/23/2010	06/29/2010	06/24/2010	Low	0.0	50	50	CV	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7440020	Nickel	40.0	U	ug/L	40.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7440097	Potassium	5000	U	ug/L	5000	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7782492	Selenium	35.0	U	ug/L	35.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7440224	Silver	10.0		ug/L	10.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7440235	Sodium	16300		ug/L	5000	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7440280	Thallium	25.0	U	ug/L	25.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7440622	Vanadium	50.0	U	ug/L	50.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ3	0012383-02	W	Field_Sample	06/25/2010	16:43:09	7440666	Zinc	60.0	U	ug/L	60.0	06/23/2010	06/25/2010	06/24/2010	Low	0.0	50	50	P	GW-32
40275	MF3JJ4	MF3JJ4	0012361-01	W	Field_Sample	06/25/2010	16:11:51	7429905	Aluminum	200	U	ug/L	200	06/22/2010	06/25/2010	06/23/2010	Low	0.0	50	50	P	GW-33
40275	MF3JJ4	MF3JJ4	0012361-01	W	Field_Sample	06/25/2010	16:11:51	7440360	Antimony	60.0	U	ug/L	60.0	06/22/2010	06/25/2010	06/23/2010	Low	0.0	50	50	P	GW-33
40275	MF3JJ4	MF3JJ4	0012361-01	W	Field_Sample	06/25/2010	16:11:51	7440382	Arsenic	10.0	U	ug/L	10.0	06/22/2010	06/25/2010	06/23/2010	Low	0.0	50	50	P	GW-33
40275	MF3JJ4	MF3JJ4	0012361-01	W	Field_Sample	06/25/2010	16:11:51	7440439	Beryllium	5.0	U	ug/L	5.0	06/22/2010	06/25/2010	06/23/2010	Low	0.0	50	50	P	GW-33
40275	MF3JJ4	MF3JJ4	0012361-01	W	Field_Sample	06/25/2010	16:11:51	7440472	Calcium	117000		ug/L	5000	06/22/2010	06/25/2010	06/23/2010	Low	0.0	50	50	P	GW-33
40275	MF3JJ4	MF3JJ4	0012361-01	W	Field_Sample	06/25/2010	16:11:51	7440473	Chromium	10.0	U	ug/L	10.0	06/22/2010	06/25/2010	06/23/2010	Low	0.0	50	50	P	GW-33
40275	MF3JJ4																					

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No.	40275	SDG No.	MF3JJ4	SDG Nos. To Follow	Mod. Ref. No.	Date Rec	07/20/10	
EPA Lab ID:		A4		ORIGINALS		YES	NO	N/A
Lab location:		The Woodlands, TX		CUSTODY SEALS				
Region:		6	Audit No.:	40275/MF3JJ4		1. Present on package?	X	
Resubmitted CSF?		Yes	No	X	2. Intact upon receipt?	X		
Box No(s):		1		FORM DC-2				
COMMENTS:				3. Numbering scheme accurate?	X			
				4. Are enclosed documents listed?	X			
				5. Are listed documents enclosed?	X			
Item		Description		FORM DC-1				
				6. Present?	X			
				7. Complete?	X			
				8. Accurate?	X			
Over for additional comments.				TRAFFIC REPORT/CHAIN-OF-CUSTODY RECORD(s)				
				9. Signed?	X			
				10. Dated?	X			
				AIRBILLS/AIRBILL STICKER				
				11. Present?	X			
				12. Signed?	X			
				13. Dated?	X			
				SAMPLE TAGS				
				14. Does DC-1 list tags as being included?	X			
				15. Present?	X			
				OTHER DOCUMENTS				
				16. Complete?	X			
				17. Legible?	X			
				18. Original?		X		
				18a. If "NO", does the copy indicate where original documents are located?	X			

Audited 
 Audited _____
 Signature _____

Sonya Meekins/ESAT Data Reviewer
 Printed Name/Title

Date 07/23/10
 Date _____

DC-2 _____



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 40275

DAS No:

R

Region: 6
Project Code: 70848
Account Code: CERCLIS ID:
Spill ID:
Site Name/State: Circle Court ESI/TX
Project Leader: Gary Hazelwood
Action: Expanded Site Inspection (ESI)
Sampling Co: TCEQ

Date Shipped: 6/22/2010
Carrier Name: FedEx
Airbill: 870536935480
Shipped to: A4 Scientific, Inc.
1544 Sawdust Road
Suite 505
The Woodlands TX 77380
(281) 292-5277

Chain of Custody Record		Sampler Signature:
Relinquished By	(Date / Time)	Received By
1 Gary Hazelwood (6/22/10/1300 hrs)		
2		
3		
4		

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC Type
MF3JJ4	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345209 (HNO3) (1)	GW-33	S: 6/22/2010 10:15	F3JJ4	-
MF3JJ5	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345213 (HNO3), 6-345214 (HNO3) (2)	GW-34	S: 6/22/2010 10:58	F3JJ5	Lab QC
MF3JJ6	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345224 (HNO3) (1)	GW-35	S: 6/22/2010 11:10	F3JJ6	Field Duplicate
MF3JJ7	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345228 (HNO3) (1)	GW-36	S: 6/22/2010 9:22	F3JJ7	-
MF3JJ8	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345232 (HNO3) (1)	GW-37	S: 6/22/2010 15:35	F3JJ8	-
MF3JK2	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345248 (HNO3) (1)	GW-41	S: 6/22/2010 12:12	F3JK2	-
MF3JL1	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345284 (HNO3) (1)	GW-50	S: 6/22/2010 14:16	F3JL1	-

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: MF3JJ5	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High TM/HG = CLP TCL Total Metals/Mercury	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 6-043013577-062210-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 40275

DAS No:

R
2

Region: 6	Date Shipped: 6/23/2010	Chain of Custody Record	
Project Code: 70848	Carrier Name: FedEx	Sampler Signature: <i>Dean Perkins</i>	
Account Code: 870536935491	Airbill: 870536935491	Relinquished By (Date / Time)	Received By (Date / Time)
CERCLIS ID:	Shipped to: A4 Scientific, Inc. 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	1 <i>Mary Hazelwood (6-23-10/1800HRS)</i>	
Spill ID:		2	
Site Name/State: Circle Court ESI/TX		3	
Project Leader: Gary Hazelwood		4	
Action: Expanded Site Inspection (ESI)			
Sampling Co: TCEQ			

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC Type
MF3JJ2	Ground Water/ Dean Perkins	L/G	TM/HG (7)	6-345201 (HNO3) (1)	GW-31	S: 6/23/2010 11:00	F3JJ2	-
MF3JJ3	Ground Water/ Dean Perkins	L/G	TM/HG (7)	6-345205 (HNO3) (1)	GW-32	S: 6/23/2010 9:55	F3JJ3	-
MF3JJ9	Ground Water/ Dean Perkins	L/G	TM/HG (7)	6-345236 (HNO3) (1)	GW-38	S: 6/23/2010 8:44	F3JJ9	-
MF3JK0	Ground Water/ Dean Perkins	L/G	TM/HG (7)	6-345240 (HNO3) (1)	GW-39	S: 6/23/2010 8:30	F3JK0	Field Duplicate
MF3JK3	Ground Water/ Dean Perkins	L/G	TM/HG (7)	6-345252 (HNO3) (1)	GW-42	S: 6/23/2010 12:20	F3JK3	-
MF3JK4	Ground Water/ Dean Perkins	L/G	TM/HG (7)	6-345256 (HNO3) (1)	GW-43	S: 6/23/2010 14:44	F3JK4	-
MF3JK5	Ground Water/ Dean Perkins	L/G	TM/HG (7)	6-345260 (HNO3) (1)	GW-44	S: 6/23/2010 15:35	F3JK5	-

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TM/HG = CLP TCL Total Metals/Mercury

TR Number: 6-043013577-062310-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 40275
DAS No:

R

Region: 6	Date Shipped: 6/24/2010	Chain of Custody Record		Sampler Signature: <i>Shelley J. H.</i>
Project Code: 70848	Carrier Name: FedEx	Relinquished By	(Date / Time)	Received By _____ Date / Time)
CERCLIS ID:	Airbill: 870536935470	1 <i>Gary Hazelwood (6-24-10 / 1330 hrs)</i>		
Spill ID:	Shipped to: A4 Scientific, Inc. 1544 Sawdust Road Suite 505 The Woodlands TX 77380 (281) 292-5277	2		
Site Name/State: Circle Court ESI/TX		3		
Project Leader: Gary Hazelwood		4		
Action: Expanded Site Inspection (ESI)				
Sampling Co: TCEQ				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC Type
MF3JK1	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345244 (HNO3) (1)	GW-40	S: 6/24/2010 10:00	F3JK1	-
MF3JK6	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345264 (HNO3) (1)	GW-45	S: 6/24/2010 8:58	F3JK6	-
MF3JK7	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345268 (HNO3) (1)	GW-46	S: 6/24/2010 8:45	F3JK7	Field Duplicate
MF3JK8	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345272 (HNO3) (1)	GW-47	S: 6/24/2010 10:32	F3JK8	-
MF3JK9	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345276 (HNO3) (1)	GW-48	S: 6/24/2010 11:20	F3JK9	-
MF3JL0	Ground Water/ Shelley Stratmann	L/G	TM/HG (7)	6-345280 (HNO3) (1)	GW-49	S: 6/24/2010 8:18	F3JL0	-

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: TM/HG = CLP TCL Total Metals/Mercury	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

R Number: 6-043013577-062410-0001

preliminary results. Requests for preliminary results will increase analytical costs.

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